

Application Serial No. 10/662,236
Response to Office Action of 24 Jan 2005

LISTING OF CLAIMS

Claims 1-20. (cancelled)

21. (new) An electronic display for graphically indicating actual navigational performance (ANP) for an aircraft relative to required navigational performance (RNP) under an RNAV flight condition, said display comprising:

a RNP symbol, comprising a band having a length with an indicator centrally positioned therealong, the indicator representing a centerline of a required flightpath and the length indicating a magnitude of the required navigational performance; and

an ANP symbol, comprising a band having a length with an indicator centrally positioned therealong, the indicator representing the course of the aircraft and the length indicating a magnitude of the actual navigational performance;

wherein the RNP symbol represents the RNP requirements for said aircraft and the ANP symbol moves relative to the RNP symbol on the display to depict lateral displacement of said aircraft relative to the required flightpath.

22. (new) The electronic display of claim 21, further comprising:
a numeric display of the magnitude of RNP.

23. (new) The electronic display of claim 22, wherein:
the RNP symbol comprises a hollow outline matching the shape of the ANP symbol.

24. (new) The electronic display of claim 21, wherein:
the RNP symbol comprises a hollow outline matching the shape of the ANP symbol.

25. (new) The electronic display of claim 23, wherein:
the ANP symbol registers over the RNP symbol when the course of the aircraft is aligned with the required flightpath.

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26. **(new)** The electronic display of claim 24, wherein:
the ANP symbol registers over the RNP symbol when the course of the aircraft is aligned with the required flightpath.
27. **(new)** The electronic display of claim 23, wherein:
the RNP and ANP indicators are inverted chevrons.
28. **(new)** The electronic display of claim 24, wherein:
the RNP and ANP indicators are inverted chevrons.
29. **(new)** The electronic display of claim 21, wherein the:
the length of the ANP symbol band increases proportionately with increasing deviation of ANP from the RNP requirements for the aircraft.
30. **(new)** The electronic display of claim 21, wherein:
the ANP symbol is depicted in a first color when the ANP is within RNP and is depicted in a second color when the ANP exceeds RNP for the aircraft.
31. **(new)** The electronic display of claim 30, wherein:
the second color for the ANP symbol is selected relative to the first color to attract the attention of a human operator.
32. **(new)** The electronic display of claim 21, wherein:
the maximum length of the ANP symbol band is limited to the length of the RNP symbol band.
33. **(new)** The electronic display of claim 25, wherein the:
the length of the ANP symbol band increases proportionately with increasing deviation of ANP from the RNP requirements for the aircraft.

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34. **(new)** The electronic display of claim 25, wherein:
the ANP symbol is depicted in a first color when the ANP is within RNP and is depicted in a second color when the ANP exceeds RNP for the aircraft.
35. **(new)** The electronic display of claim 34, wherein:
the second color for the ANP symbol is selected relative to the first color to attract the attention of a human operator.
36. **(new)** The electronic display of claim 25, wherein:
the maximum length of the ANP symbol band is limited to the length of the RNP symbol band.